User's manual

TL90073
DECT 6.0 expansion handset
for use with AT&T models
TL92273/TL92373/TL92473/
TL96273/TL96323/TL96373/
TL96473 with BLUETOOTH®
wireless technology

Congratulations

on purchasing your new AT&T product. Before using this AT&T product, please read **Important safety information** on pages 22-24 of this user's manual. Please thoroughly read the user's manual for all the feature operations and troubleshooting information you need to install and operate your new AT&T product. You can also visit our website at **www.telephones.att.com** or call **1 (800) 222-3111**. In Canada, dial **1 (866) 288-4268**.

Model number:	TL90073
Type:	DECT 6.0 expansion handset
Serial number:	_____
Purchase date:	_____
Place of purchase:	_____

Both the model and serial number of your AT&T product can be found on the bottom of the handset charger.

Save your sales receipt and original packaging in case it is necessary to return your telephone for warranty service.

Telephones identified with this logo have reduced noise and interference when used with most T-coil equipped hearing aids and cochlear implants. The TIA-1083 Compliant Logo is a trademark of the Telecommunications Industry Association. Used under license.

The ENERGY STAR® program (www.energystar.gov) recognizes and encourages the use of products that save energy and help protect our environment. We are proud to mark this product with the ENERGY STAR® label indicating it meets the latest energy efficiency guidelines.

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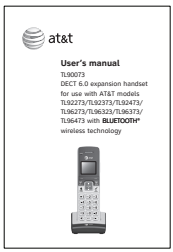
Parts checklist

Your telephone package contains the following items. Save your sales receipt and original packaging in the event warranty service is necessary.



User's manual

Cordless handset

Battery for cordless handset

Battery compartment cover

Charger for cordless handset with power adapter installed

User's manual

TL90073
DECT 6.0 expansion handset
for use with AT&T models
TL92273/TL92373/TL92473/TL96273/
TL96323/TL96373/TL96473
with **BLUETOOTH® wireless technology**

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Installation

You must install and charge the handset battery before using the cordless handset.

See pages 6-7 for easy instructions.

Your product may be shipped with a protective sticker covering the handset display - remove it before use.

For customer service or product information, visit our website at **www.telephones.att.com** or call **1 (800) 222-3111**. In Canada, dial **1 (866) 288-4268**.

Avoid placing the telephone base too close to:

- Communication devices such as television sets, VCRs, or other cordless telephones.
- Excessive heat sources.
- Noise sources such as a window with traffic outside, motors, microwave ovens, refrigerators, or fluorescent lighting.
- Excessive dust sources such as a workshop or garage.
- Excessive moisture.
- Extremely low temperature.
- Mechanical vibration or shock such as on top of a washing machine or work bench.

Quick reference guide - handset

CHARGE light

On when the handset is charging in the telephone base or charger.

Softkeys (2)

- Press to select the menu item displayed above the key.
- While in a menu, press to select an item or save an entry or setting.

CELL 1/CELL 2

- Press to make or answer a cell call.
- During a cell call, press to answer an incoming call when you hear a call waiting alert.

HOME/FLASH

- Press to make, answer or end a home call.
- During a call, press to answer an incoming call when you hear a call waiting alert.

1

- While reviewing a caller ID history entry, press repeatedly to add or remove **1** in front of the telephone number before dialing or saving it in a directory.
- Press and hold to set or to dial your voicemail number.

TONE a▸A *

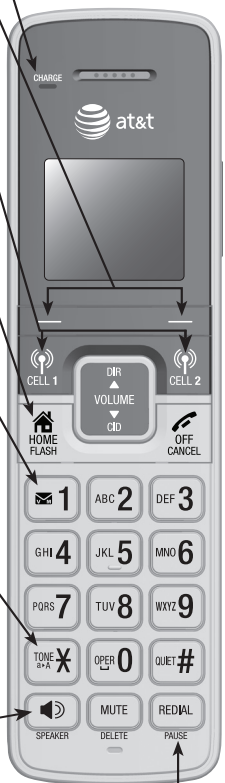
- Press to switch to tone dialing temporarily during a call if you have pulse service.
- While entering names in the directory, press to toggle between upper and lower case of the letters.

/SPEAKER

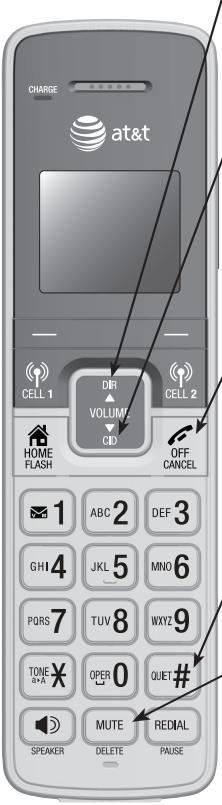
- Press to make a home call using the speakerphone.
- Press to answer a home or cell call using the handset speakerphone.
- Press to turn on the handset speakerphone. Press again to resume normal handset use.

REDIAL/PAUSE

- Press repeatedly to view the last 10 numbers dialed.
- While entering numbers, press and hold to insert a dialing pause.



Quick reference guide - handset



▲DIR/VOLUME

- Press to scroll up while in menus.
- During a call or message playback, press to increase the listening volume.
- Press to show directory entries when the telephone is not in use.
- While entering names or numbers in the directory, press to move the cursor to the right.

▼CID/VOLUME

- Press to scroll down while in menus.
- During a call or message playback, press to decrease the listening volume.
- Press to show the caller ID history when the telephone is not in use.
- While entering names or numbers in the directory, press to move the cursor to the left.

OFF/CANCEL

- While using menus, press to cancel an operation, back up to the previous menu, or exit the menu display.
- Press and hold to return to idle mode.
- During a call, press to hang up.
- Press and hold while the telephone is not in use to erase all the missed call indicator.

QUIET # (pound key)

- Press repeatedly to display other dialing options when reviewing a caller ID history entry.
- Press and hold to enter the QUIET mode setting screen, or to deactivate QUIET mode.

MUTE/DELETE

- During a call, press to mute the microphone.
- While predialing, press to delete digits.
- While reviewing the redial list, directory or caller ID history, press to delete an individual entry.
- While entering or editing a directory entry, press to erase a digit or character.
- While the handset is ringing, press to silence the ringer temporarily.
- During message or announcement playback, press to delete a message or announcement.

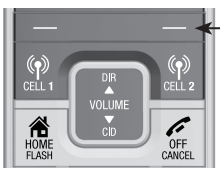
Quick reference guide - handset

PUSH TO TALK

- Press to begin a one-to-one or one-to-group broadcast.
- Press and hold to begin a one-to-group broadcast when the handset is not in use.

Main menu

The selected menu item is highlighted.



Menu

Feature menu

- Play messages
- Answering sys
- Directory
- Caller ID log
- Intercom
- Bluetooth (for TL92273/ TL92373/TL92473)
- Ringers
- Set date/time
- Caller ID annc
- Settings
- Web address

Using menus

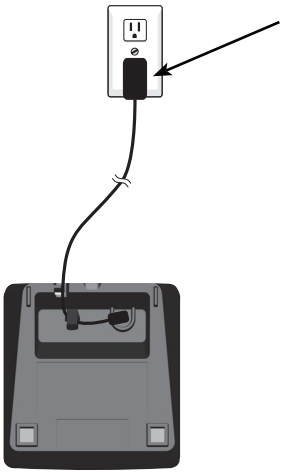
1. Press **MENU** in idle mode (when the telephone is not in use) to enter the main menu.
2. Use ▼**CID** or ▲**DIR** to scroll through menu items.
3. Press **SELECT** to select or save the highlighted item.

   -OR-

   Press **OFF/CANCEL** to cancel an operation, back up to the previous menu, or exit the menu display.

For complete instructions, refer to the user's manual provided with your TL92273/TL92373/TL92473/TL96273/TL96323/TL96373/ TL96473 telephone system. If you are unable to find your user's manual, go to **www.telephones.att.com/manuals** to read and/or download the manual.

Charger installation



Plug the power adapter into an electrical outlet not controlled by a wall switch.

IMPORTANT INFORMATION:

- Use only the power adapter provided with this product. To obtain a replacement, visit our website at **www.telephones.att.com** or call **1 (800) 222-3111**. In Canada, dial **1 (866) 288-4268**.
- The power adapter is intended to be correctly oriented in a vertical or floor mount position. The prongs are not designed to hold the plug in place if it is plugged into a ceiling, under-the-table or cabinet outlet.

Battery installation and charging

Install the battery as shown on page 7. Once you have installed the battery, the screen indicates the battery status (see the table below). If necessary, place the handset in the telephone base or charger to charge the battery. For best performance, keep the handset in the telephone base or charger when not in use. The battery is fully charged after 11 hours of continuous charging. See the table on page 31 for battery operating times.

If the screen shows **Place in charger** and ▯ flashes, you need to charge the handset without interruption for at least 30 minutes to give the handset enough charge to use the telephone for a short time. The following table summarizes the battery charge indicators and actions to take.

Battery indicators	Battery status	Action
The screen is blank or shows **Place in charger** and ▯ flashes.	The battery has no or very little charge. The handset cannot be used.	Charge without interruption (at least 30 minutes).
The screen shows **Low battery** and ▯ flashes.	Battery has enough charge to be used for a short time.	Charge without interruption (at least 30 minutes).
The screen shows **HANDSET X**.	Battery is charged.	To keep the battery charged, place it in the telephone base or charger when not in use.

NOTE: If you are on a phone call in low battery mode, you hear four short beeps every minute.

Battery installation and charging

Install the battery as shown below.

Step 1

Plug the battery connector securely into the socket inside the handset battery compartment. Insert the supplied battery with the label **THIS SIDE UP** facing up as indicated.

Step 2

Align the cover flat against the battery compartment, then slide it upwards until it clicks into place.

Step 3

Charge the handset by placing it face up in the telephone base or charger. The **CHARGE** light is on when charging.

After you install your telephone or power returns following a power outage, the handset will prompt you to set the date and time. For instructions, see **Set date and time** in the telephone system user's manual for details. To skip setting the date and time, press **OFF/CANCEL** or **BACK**.

IMPORTANT INFORMATION:

- Use only the supplied rechargeable battery or replacement battery (model BT183342). To order, visit our website at **www.telephones.att.com** or call **1 (800) 222-3111**. In Canada, dial **1 (866) 288-4268**.
- If you do not use the handset for a long time, disconnect and remove the battery to prevent possible leakage.

Adding and registering handsets

Before using a new TL90073 handset, you must register it with an AT&T TL92273/TL92373/TL92473/TL96273/TL96323/TL96373/TL96473 telephone system (purchased separately). These telephone systems can support up to 12 handsets.

The handsets provided with your telephone system are already registered as **HANDSET 1** and so forth. Additional handsets registered to the telephone system are assigned in the sequential order they are registered (up to **HANDSET 12**).

You must register each handset separately. When first purchased, all expansion handsets show **To register, see user manual**.

Register a handset to your telephone base for AT&T models TL92273/TL92373/TL92473

1. Before you begin registration, make sure the handset is out of the telephone base or charger and shows **To register, see user manual**.
2. Put the handset you wish to register on the telephone base cradle, not the charger.
3. The handset shows **Registering...Please wait** and the red **IN USE** light on the telephone base turns on. It takes about 90 seconds to complete the registration process. The handset displays **HANDSET X Registered** (**X** represents the registered handset number). The **IN USE** light turns off and the handset beeps when registration completes.

If registration fails, the system will automatically try to register again. If registration fails after the third try, the handset displays **Registration failed**, then **To register, see user manual**. This may take up to 5 minutes to occur. Please start again from Step 1 above.

NOTE: You cannot register a handset if any other system handset is in use.

Adding and registering handsets

Register a handset to your telephone base for AT&T models TL96273/TL96323/TL96373/TL96473

1. Before you begin registration, make sure the handset is out of the telephone base or charger and shows **To register, see user manual**.
2. Put the handset you wish to register on the telephone base cradle, not the charger.
3. Both the handset and the telephone base show **Registering...Please wait**. It takes about 90 seconds to complete the registration process. Both the telephone base and cordless handset display **HANDSET X Registered** (**X** represents the registered handset number), and beep when registration completes.

If registration fails, the system will automatically try to register again. If registration fails after the third try, the handset displays **Registration failed**, then **To register, see user manual**. This may take up to 5 minutes to occur. Please start again from Step 1 above.

NOTE: You cannot register a handset if any other system handset is in use.

Deregistering handsets

You may need to deregister your handsets if:

- You have 12 registered handsets and need to replace a handset.

-OR-

- You wish to change the designated handset number of your registered handsets.

You must first deregister ALL handsets, and then register each handset you wish to use again, one at a time.

Please read carefully through all the instructions on this page before beginning the deregistration process.

Deregister all handsets from the telephone base for AT&T models TL92273/TL92373/TL92473

1. Make sure that all handsets are out of the telephone base and chargers before you begin deregistration.
2. Press and hold **/HANDSET LOCATOR** on the telephone base for about 10 seconds until the **IN USE** light flashes, then release **/HANDSET LOCATOR**.
3. Quickly press **/HANDSET LOCATOR** again. You must press **/HANDSET LOCATOR** while the **IN USE** light is still flashing. The **IN USE** light flashes for about seven seconds. If the light stops flashing, start again with Step 1 above.
4. All system handsets show **To register, see user manual** and you hear a confirmation tone when the deregistration completes. The deregistration process takes about 10 seconds to complete.
5. After deregistering, register each handset again individually. See **Adding and registering handsets** on page 8.

NOTES:

- If the deregistration process fails, you may need to reset the system and try again. To reset, unplug the power from the telephone base and plug it back in.
- You cannot deregister the handsets if any other system handset is in use.
- Even if the battery is depleted, you can still deregister the handsets by following the steps above.

Deregistering handsets

Deregistering all handsets from the telephone base for AT&T models TL96273/TL96323/TL96373/TL96473

1. Make sure that all handsets are out of the telephone base and chargers before you begin deregistration.
2. Press and hold **/HANDSET LOCATOR** on the telephone base for about 10 seconds until the base screen shows **Deregister all devices?**, then release **/HANDSET LOCATOR**.

3. Quickly press **/HANDSET LOCATOR** again, or press **YES**. You must press **/HANDSET LOCATOR** or **YES** within 5 seconds. If the telephone base returns to the idle screen, start again with Step 1 above.
4. The telephone base shows **Deregisted all devices** and then returns to the idle screen. All system handsets show **To register, see user manual** and you hear a confirmation tone when the deregistration completes. The deregistration process takes about 10 seconds to complete.
5. After deregistering, register each handset again individually. See **Adding and registering handsets** on page 9.

NOTES:

- If the deregistration process fails, you may need to reset the system and try again. To reset, unplug the power from the telephone base and plug it back in.
- You cannot deregister the handsets if any other system handset is in use.
- Even if the battery is depleted, you can still deregister the handsets by following the steps above.

Appendix

Troubleshooting

If you have difficulty with your telephone, please try the suggestions below. For Customer Service, or to purchase accessories or replacement parts, visit our website at **www.telephones.att.com**, or call **1 (800) 222-3111**. In Canada, dial **1 (866) 288-4268**.

The handset registration is unsuccessful.

- Follow the handset registration instructions to register the handset again (see **Adding and registering handsets** on pages 8-9).

My telephone doesn't work at all.

- Make sure the power cord is securely plugged in.
- Make sure you plug the battery connector securely into the cordless handset.
- Make sure you plug the telephone line cord securely and firmly into the telephone base and the telephone wall jack.
- Charge the battery in the cordless handset for at least 11 hours. For optimum daily performance, return the cordless handset to the charger when not in use.
- If the battery is depleted, charge the handset for at least 30 minutes before you use it. See page 6 for details.
- Reset the telephone base. Unplug the electrical power. Wait for approximately 15 seconds, then plug it back in. Allow up to one minute for the cordless handset and telephone base to reset.
- You may need to purchase a new battery. Refer to **Battery installation and charging** in this user's manual on pages 6-7.

I cannot get a dial tone.

- Try all the suggestions above.
- Move the cordless handset closer to the telephone base. You may have moved out of range.

- If the previous suggestions do not work, disconnect the telephone base from the telephone jack and connect the jack to a different phone. If there is no dial tone on that phone either, the problem is in your wiring or telephone service. Contact your telephone service provider.
- Your line cord may be defective. Try installing a new line cord.

I cannot dial out.

- Try all the suggestions above.
- Make sure you have a dial tone before dialing. The cordless handset may take a second or two to find the telephone base and produce a dial tone. This is normal. Wait an extra second before dialing.
- Eliminate any background noise. Noise from a television, radio or other appliances may cause the phone to not dial out properly. If you cannot eliminate the background noise, try muting the cordless handset before dialing, or dialing from another room with less background noise.
- If other phones in your home are having the same problem, contact your telephone service provider (charges may apply).

My cordless handset isn't performing normally.

- Make sure you plug the power cord securely into the telephone base. Plug the power adapter into a different, working electrical outlet without a wall switch.
- Move the cordless handset closer to the telephone base. You may have moved out of range.
- Reset the telephone base. Unplug the electrical power. Wait for 15 seconds then plug it back in. Allow up to one minute for the cordless handset and telephone base to reset.
- Other electronic products such as HAM radios and other DECT phones can cause interference with your cordless phone. Try installing your phone as far away as possible from these types of electronic devices.

Troubleshooting

Out of range OR Base no power appears on my cordless handset.

- Ensure you plug the telephone base in properly and the power is on.
- Place the cordless handset in the telephone base for one minute to allow the cordless handset and base to synchronize.
- Move the cordless handset closer to the telephone base. You may have moved out of range.
- Reset the telephone base. Unplug the electrical power. Wait for 15 seconds then plug it back in. Allow up to one minute for the cordless handset and telephone base to reset.
- Other electronic products such as HAM radios and other DECT phones can cause interference with your cordless phone. Try installing your phone as far away as possible from these types of electronic devices.

The batteries do not hold a charge.

- If the cordless handset is in the telephone base or charger and the charge light is not on, refer to **The charge light is off** (page 19).
- Charge the battery in the cordless handset for at least 11 hours. For optimum daily performance, return the cordless handset to the telephone base or charger when not in use.
- If the battery is depleted, it may take approximately 30 minutes to charge the handset before it shows **Low battery**. Refer to the table on page 6 for details.
- You may need to purchase a new battery. Refer to **Battery installation and charging** in this user's manual on pages 6-7.

I hear other calls while using my phone.

- Disconnect the telephone base from the telephone jack, and plug in a different telephone. If you still hear other calls, call your telephone service provider.

Troubleshooting

I get noise, static, or weak signals even when I'm near the telephone base.

- If you subscribe to high-speed Internet service (DSL - digital subscriber line) through your telephone line, you must install a DSL filter between the telephone line cord and the telephone wall jack. The filter prevents noise and caller ID problems as a result of DSL interference. Please contact your DSL service provider for more information about DSL filters.
- You may be able to improve the performance of your cordless phone by installing your telephone base as far as possible from any other existing cordless telephone system that may already be installed.
- Other electronic products such as HAM radios and other DECT phones can cause interference with your cordless phone. Try installing your phone as far away as possible from these types of electronic devices.
- Do not install this phone near a microwave oven or on the same electrical outlet. You may experience decreased performance while the microwave oven is operating.
- If you plug your phone in with a modem or a surge protector, plug the phone (or modem/surge protector) into a different location. If this does not solve the problem, relocate your phone or modem farther apart from one another, or use a different surge protector.
- Move your phone to a higher location. The phone may have better reception in a high area.
- If other phones in your home are having the same problem, contact your telephone service provider (charges may apply).

Troubleshooting

I experience poor sound quality when using the speakerphone.

- For increased sound quality while using the speakerphone, place the handset on a flat surface with the dialing keys facing up.
- When using a speakerphone, controlling background noise in your environment is essential. While you are listening to your party, press **MUTE/DELETE** to temporarily turn your microphone off. When it is your turn to speak, remember to press **MUTE/DELETE** again to turn the microphone on.
- Excessive background noise will cause a speakerphone to fade in and out. Try controlling the background noise by turning off any audio devices near the speakerphone. Also, try to avoid interrupting the person at the other end of the conversation while they are speaking. If background noise cannot be controlled, you should terminate speakerphone operation and return to normal handset mode.

My cordless handset does not ring when I receive a call.

- Make sure that the ringer is not off. Refer to **Ringer volume** in the TL92273/TL92373/TL92473/TL96273/TL96323/TL96373/TL96473 user's manual provided with your telephone.
- Make sure you plug the telephone line cord securely into the telephone base and telephone jack. Make sure you plug in the power cord securely.
- The cordless handset may be too far from the telephone base.
- Charge the battery in the cordless handset for at least 10 hours. For optimum daily performance, return the cordless handset to the telephone base or charger when not in use.
- You may have too many extension phones on your telephone line to allow all of them to ring simultaneously. Try unplugging some of the other phones.

Troubleshooting

- The layout of your home or office may be limiting the operating range. Try moving the telephone base to another location, preferably on an upper floor.
- If other phones in your home are having the same problem, contact your telephone service provider (charges may apply).
- Test a working phone at the phone jack. If another phone has the same problem, contact your telephone service provider (charges may apply).
- Other electronic products such as HAM radios and other DECT phones can cause interference with your cordless phone. Try installing your phone as far away as possible from these types of electronic devices.
- Remove the battery. Replace it and place the cordless handset into the telephone base. Allow up to one minute for the handset to reestablish its connection with the telephone base.
- Your line cord may be defective. Try installing a new line cord.

My calls cut in and out while I'm using my cordless handset.

- Other electronic products such as HAM radios and other DECT phones can cause interference to your cordless telephone. Try installing your telephone as far away as possible from these types of electronic devices.
- Do not install this phone near a microwave oven or on the same electrical outlet. You may experience decreased performance while the microwave oven is operating.
- If you plug your phone in with a modem or surge protector, plug the phone (or modem/surge protector) into a different location. If this doesn't solve the problem, relocate your phone or modem farther apart from one another, or use a different surge protector.
- Relocate your telephone base to a higher location. The phone may have better reception when installed in a high area.

- Disconnect the telephone base from the telephone wall jack and plug in a working telephone. If the other phones in your home are having the same problem, the problem is in your wiring or telephone service. Contact your telephone service provider (charges may apply).
- Excessive background noise will cause a speakerphone to fade in and out. Try controlling the background noise by turning off any audio devices near the speakerphone. Also, try to avoid interrupting the person at the other end of the conversation while they are speaking. If background noise cannot be controlled, you should stop speakerphone operation and return to normal handset mode.
- When using a speakerphone, controlling background noise in your environment is essential. While you are listening to your party press **MUTE/DELETE** to temporarily turn your microphone off. When it is your turn to speak, remember to press **MUTE/DELETE** to turn the microphone on.

My caller ID isn't working.

- Caller ID is a subscription service. You must subscribe to this service from your telephone service provider for this feature to work on your phone.
- The caller must be calling from an area that supports caller ID.
- Both your and your caller's telephone service providers must use caller ID compatible equipment.
- If you subscribe to high-speed Internet service (DSL - digital subscriber line) through your telephone line, you must install a DSL filter between the telephone line cord and the telephone wall jack. The filter prevents noise and caller ID problems resulting from DSL interference. Contact your DSL service provider for more information about DSL filters.

Troubleshooting

System does not receive caller ID when on a call.

- Make sure you subscribe to caller ID with call waiting features from your telephone service provider. Caller ID features work only if both you and the caller are in areas offering caller ID service, and if both telephone service providers use compatible equipment.

I subscribe to a nontraditional telephone service that uses my computer to establish connections, and my telephone doesn't work.

- Make sure your computer is powered on.
- Make sure your Internet connection is working properly.
- Make sure that the software is installed and running for your nontraditional telephone service.
- Make sure to plug your USB telephone adapter into a dedicated USB port on your computer. Do not plug it into a multiple port USB hub (USB splitter) that is not powered.
- In a few rare instances, the USB port on your computer may not have enough power. In these instances, try using a USB hub with its own external power supply.
- If you are using a firewall, it may prevent access to your nontraditional telephone service provider. Contact your service provider for more information.

The charge light is off.

- Make sure you plug the power and line cords in correctly and securely.
- Unplug the electrical power. Wait for 15 seconds, then plug it back in. Allow up to one minute for the cordless handset and telephone base to reset.
- Clean the cordless handset, charger and telephone base charging contacts each month with a pencil eraser or cloth.

Troubleshooting

Common cure for electronic equipment.

If the telephone does not seem to be responding normally, try putting the cordless handset in the charger. If it does not fix the problem, do the following (in the order listed):

1. Disconnect the power to the telephone base.
2. Disconnect the cordless handset battery.
3. Wait a few minutes.
4. Connect power to the telephone base.
5. Completely remove the battery. Replace the battery and place the cordless handset into the telephone base or charger.
6. Wait for the cordless handset to reestablish its connection with the telephone base. Allow up to one minute for this to take place.

Maintenance

Taking care of your telephone

- Your cordless telephone contains sophisticated electronic parts, so it must be treated with care.
- Avoid rough treatment.
- Place the handset down gently.
- Save the original packing materials to protect your telephone if you ever need to ship it.

Avoid water

- Your telephone can be damaged if it gets wet. Do not use the handset in the rain, or handle it with wet hands. Do not install the telephone base near a sink, bathtub or shower.

Electrical storms

- Electrical storms can sometimes cause power surges harmful to electronic equipment. For your own safety, take caution when using electric appliances during storms.

Cleaning your telephone

- Your telephone has a durable plastic casing that should retain its luster for many years. Clean it only with a soft cloth slightly dampened with water or a mild soap.
- Do not use excess water or cleaning solvents of any kind.

Remember that electrical appliances can cause serious injury if used when you are wet or standing in water. If the telephone base should fall into water, DO NOT RETRIEVE IT UNTIL YOU UNPLUG THE POWER CORD AND TELEPHONE LINE CORDS FROM THE WALL. Pull the telephone out by the unplugged cords.

Appendix

Important safety information

This symbol is to alert you to important operating or servicing instructions that may appear in this user's manual. Always follow basic safety precautions when using this product to reduce the risk of injury, fire, or electric shock.

Safety information

- Read and understand all instructions in the user's manual. Observe all markings on the product.
- Avoid using a telephone during a thunderstorm. There might be a slight chance of electric shock from lightning.
- Do not use a telephone in the vicinity of a gas leak. Under certain circumstances, a spark may be created when the adapter is plugged into the power outlet, or when the handset is replaced in its cradle. This is a common event associated with the closing of any electrical circuit. The user should not plug the phone into a power outlet, and should not put a charged handset into the cradle, if the phone is located in an environment containing concentrations of flammable or flame-supporting gases, unless there is adequate ventilation. A spark in such an environment could create a fire or explosion. Such environments may include: medical use of oxygen without adequate ventilation; industrial gases (cleaning solvents; gasoline vapors; etc.); a leak of natural gas; etc.
- Do not use this product near water, or when you are wet. For example, do not use it in a wet basement or shower, or next to a swimming pool, bathtub, kitchen sink, or laundry tub. Do not use liquids or aerosol sprays for cleaning. If the product comes in contact with any liquids, unplug any line or power cord immediately. Do not plug the product back in until it has dried thoroughly.
- Install this product in a protected location where no one can trip over any line or power cords. Protect cords from damage or abrasion.
- If this product does not operate normally, read the **Troubleshooting** section on pages 12-20 of this user's manual. If you cannot solve the problem, or if the product is damaged, refer to the **Limited warranty** section on pages 28-30. Do not open this product except as may be directed in your user's manual. Opening the product or reassembling it incorrectly may expose you to hazardous voltages or other risks.
- Replace batteries only as described in your user's manual (pages 6-7). Do not burn or puncture batteries — they contain caustic chemicals.
- This power adapter is intended to be correctly oriented in a vertical or floor mount position. The prongs are not designed to hold the plug in place if it is plugged into a ceiling or an under-the-table/cabinet outlet.

CAUTION: Use only the power adapter provided with this product. To obtain a replacement, visit our website at **www.telephones.att.com**, or call **1 (800) 222–3111**. In Canada, dial **1 (866) 288-4268**.

Important safety information

Especially about cordless telephones

- Privacy: The same features that make a cordless telephone convenient create some limitations. Telephone calls are transmitted between the telephone base and the handset by radio waves, so there is a possibility that your cordless telephone conversations could be intercepted by radio receiving equipment within range of the cordless handset. For this reason, you should not think of cordless telephone conversations as being as private as those on corded telephones.
- Electrical power: The telephone base of this cordless telephone must be connected to a working electrical outlet which is not controlled by a wall switch. Calls cannot be made from the handset if the telephone base is unplugged, switched off or if the electrical power is interrupted.
- Potential TV interference: Some cordless telephones operate at frequencies that may cause interference to TVs and VCRs. To minimize or prevent such interference, do not place the telephone base of the cordless telephone near or on top of a TV or VCR. If interference is experienced, moving the cordless telephone farther away from the TV or VCR will often reduce or eliminate the interference.
- Rechargeable batteries: This product contains nickel-metal hydride rechargeable batteries. Exercise care in handling batteries in order not to create a short circuit with conductive material such as rings, bracelets, and keys. The battery or conductor may overheat and cause harm. Observe proper polarity between the battery and the battery charger.
- Nickel-metal hydride rechargeable batteries: Dispose of these batteries in a safe manner. Do not burn or puncture. Like other batteries of this type, if burned or punctured, they could release caustic material which could cause injury.

The RBRC™ Seal means that the manufacturer is voluntarily participating in an industry program to collect and recycle nickel-metal hydride rechargeable batteries when taken out of service within the United States. These batteries may be taken to a participating local retailer of replacement batteries or recycling center. Or you may call 1 (800) 8-BATTERY for locations accepting spent Ni-MH batteries.

Important safety information

Precautions for users of implanted cardiac pacemakers

Cardiac pacemakers (applies only to digital cordless telephones): Wireless Technology Research, LLC (WTR), an independent research entity, led a multidisciplinary evaluation of the interference between portable wireless telephones and implanted cardiac pacemakers. Supported by the U.S. Food and Drug Administration, WTR recommends to physicians that:

Pacemaker patients:

- Should keep wireless telephones at least six inches from the pacemaker.
- Should NOT place wireless telephones directly over the pacemaker, such as in a breast pocket, when it is turned ON.
- Should use the wireless telephone at the ear opposite the pacemaker.

WTR's evaluation did not identify any risk to bystanders with pacemakers from other persons using wireless telephones.

ECO mode

This power conserving technology reduces power consumption for optimal battery performance. The ECO mode activates automatically whenever the handset is synchronized with the telephone base.

Especially about telephone answering systems

Two-way recording: This unit does not sound warning beeps to inform the other party that the call is being recorded. To ensure that you are in compliance with any federal or state regulations regarding recording a telephone call, you should start the recording process and then inform the other party that you are recording the conversation.

SAVE THESE INSTRUCTIONS

Appendix

FCC Part 68 and ACTA

This equipment complies with Part 68 of the FCC rules and with technical requirements adopted by the Administrative Council for Terminal Attachments (ACTA). The label on the back or bottom of this equipment contains, among other things, a product identifier in the format US:AAAEQ##TXXXX. This identifier must be provided to your telephone service provider upon request.

The plug and jack used to connect this equipment to premises wiring and the telephone network must comply with the applicable Part 68 rules and technical requirements adopted by ACTA. A compliant telephone cord and modular plug is provided with this product. It is designed to be connected to a compatible modular jack that is also compliant. An RJ11 jack should normally be used for connecting to a single line and an RJ14 jack for two lines. See Installation Instructions in the user's manual.

The Ringer Equivalence Number (REN) is used to determine how many devices you may connect to your telephone line and still have them ring when you are called. The REN for this product is encoded as the 6th and 7th characters following the US: in the product identifier (e.g., if ## is 03, the REN is 0.3). In most, but not all areas, the sum of all RENs should be five (5.0) or less. For more information, please contact your telephone service provider.

This equipment may not be used with Party Lines. If you have specially wired alarm dialing equipment connected to your telephone line, ensure the connection of this equipment does not disable your alarm equipment. If you have questions about what will disable the alarm equipment, consult your telephone service provider or a qualified installer.

If this equipment is malfunctioning, it must be unplugged from the modular jack until the problem has been corrected. Repairs to this telephone equipment can only be made by the manufacturer or its authorized agents. For repair procedures, follow the instructions outlined under the Limited Warranty.

If this equipment is causing harm to the telephone network, the telephone service provider may temporarily discontinue your telephone service. The telephone service provider is required to notify you before interrupting service. If advance notice is not practical, you will be notified as soon as possible. You will be given the opportunity to correct the problem and the telephone service provider is required to inform you of your right to file a complaint with the FCC. Your telephone service provider may make changes in its facilities, equipment, operation, or procedures that could affect the proper functioning of this product. The telephone service provider is required to notify you if such changes are planned.

If this product is equipped with a corded or cordless handset, it is hearing aid compatible.

If this product has memory dialing locations, you may choose to store emergency telephone numbers (e.g., police, fire, medical) in these locations. If you do store or test emergency numbers, please:

- Remain on the line and briefly explain the reason for the call before hanging up.
- Perform such activities in off-peak hours, such as early morning or late evening.

FCC Part 68 and ACTA

Industry Canada

Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference, including interference that may cause undesired operation.

The term ''IC:'' before the certification/registration number only signifies that the Industry Canada technical specifications were met.

The Ringer Equivalence Number (REN) for this terminal equipment is 1.0. The REN is an indication of the maximum number of devices allowed to be connected to a telephone interface. The termination on an interface may consist of any combination of devices subject only to the requirement that the sum of the RENs of all the devices does not exceed five.

This product meets the applicable Industry Canada technical specifications.

Appendix

FCC Part 15

This equipment has been tested and found to comply with the requirements for a Class B digital device under Part 15 of the Federal Communications Commission (FCC) rules.

These requirements are intended to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications to this equipment not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Privacy of communications may not be ensured when using this telephone.

To ensure safety of users, the FCC has established criteria for the amount of radio frequency energy that can be safely absorbed by a user or bystander according to the intended usage of the product. This product has been tested and found to comply with the FCC criteria. The handset may be safely held against the ear of the user. The telephone base shall be installed and used such that parts of the user's body other than the hands are maintained at a distance of approximately 20cm (8 inches) or more.

This Class B digital apparatus complies with Canadian ICES-003.

Appendix

Limited warranty

The AT&T brand is used under license - any repair, replacement or warranty service, and all questions about this product should be directed to our website at **www.telephones.att.com** or call **1 (800) 222-3111**. In Canada, dial **1 (866) 288-4268**.

1. **What does this limited warranty cover?**

   The manufacturer of this AT&T-branded product warrants to the holder of a valid proof of purchase ("CONSUMER" or "you") that the product and all accessories provided in the sales package ("PRODUCT") are free from defects in material and workmanship, pursuant to the following terms and conditions, when installed and used normally and in accordance with the PRODUCT operating instructions. This limited warranty extends only to the CONSUMER for products purchased and used in the United States of America and Canada.

2. **What will be done if the PRODUCT is not free from defects in materials and workmanship during the limited warranty period ("materially defective PRODUCT")?**

   During the limited warranty period, the manufacturer's authorized service representative repairs or replaces at the manufacturer's option, without charge, a materially defective PRODUCT. If the manufacturer repairs the PRODUCT, they may use new or refurbished replacement parts. If the manufacturer chooses to replace the PRODUCT, they may replace it with a new or refurbished PRODUCT of the same or similar design. The manufacturer retains the defective parts, modules, or equipment. Repair or replacement of the PRODUCT, at the manufacturer's option, is your exclusive remedy. The manufacturer returns the repaired or replacement products to you in working condition. You should expect the repair or replacement to take approximately 30 days.

3. **How long is the limited warranty period?**

   The limited warranty period for the PRODUCT extends for ONE (1) YEAR from the date of purchase. If the manufacturer repairs or replaces a materially defective PRODUCT under the terms of this limited warranty, this limited warranty also applies to repaired or replacement PRODUCT for a period of either (a) 90 days from the date the repaired or replacement PRODUCT is shipped to you or (b) the time remaining on the original one-year limited warranty; whichever is longer.

4. What is not covered by this limited warranty?

This limited warranty does not cover:

- PRODUCT that has been subjected to misuse, accident, shipping or other physical damage, improper installation, abnormal operation or handling, neglect, inundation, fire, water, or other liquid intrusion; or
- PRODUCT that has been damaged due to repair, alteration, or modification by anyone other than an authorized service representative of the manufacturer; or
- PRODUCT to the extent that the problem experienced is caused by signal conditions, network reliability or cable or antenna systems; or
- PRODUCT to the extent that the problem is caused by use with non-AT&T accessories; or
- PRODUCT whose warranty/quality stickers, PRODUCT serial number plates or electronic serial numbers have been removed, altered or rendered illegible; or
- PRODUCT purchased, used, serviced, or shipped for repair from outside the United States of America or Canada, or used for commercial or institutional purposes (including but not limited to products used for rental purposes); or
- PRODUCT returned without a valid proof of purchase (see item 6 below); or
- Charges for installation or setup, adjustment of customer controls, and installation or repair of systems outside the unit.

5. How do you get warranty service?

To obtain warranty service in the United States of America, visit **www.telephones.att.com** or call **1 (800) 222-3111**. In Canada, please dial **1 (866) 288-4268**.

NOTE: Before calling for service, please review the user's manual. A check of the PRODUCT's controls and features might save you a service call.

Except as provided by applicable law, you assume the risk of loss or damage during transit and transportation and are responsible for delivery or handling charges incurred in the transport of the PRODUCT(s) to the service location. The manufacturer will return repaired or replaced PRODUCT under this limited warranty. Transportation, delivery or handling charges are prepaid. The manufacturer assumes no risk for damage or loss of the PRODUCT in transit. If the PRODUCT failure is not covered by this limited warranty, or proof of purchase does not meet the terms of this limited warranty, the manufacturer notifies you and requests that you authorize the cost of repair prior to any further repair activity. You must pay for the cost of repair and return shipping costs for the repair of products that are not covered by this limited warranty.

6. What must you return with the PRODUCT to get warranty service?

You must:

a. Return the entire original package and contents including the PRODUCT to the service location along with a description of the malfunction or difficulty; and

b. Include "valid proof of purchase" (sales receipt) identifying the PRODUCT purchased (PRODUCT model) and the date of purchase or receipt; and

c. Provide your name, complete and correct mailing address, and telephone number.

7. Other limitations

This warranty is the complete and exclusive agreement between you and the manufacturer of this AT&T branded PRODUCT. It supersedes all other written or oral communications related to this PRODUCT. The manufacturer provides no other warranties for this PRODUCT. The warranty exclusively describes all of the manufacturer's responsibilities regarding the PRODUCT. There are no other express warranties. No one is authorized to make modifications to this limited warranty and you should not rely on any such modification.

State/Provincial Law Rights: This warranty gives you specific legal rights, and you might also have other rights that vary from state to state or province to province.

Limitations: Implied warranties, including those of fitness for a particular purpose and merchantability (an unwritten warranty that the PRODUCT is fit for ordinary use) are limited to one year from date of purchase. Some states/provinces do not allow limitations on how long an implied warranty lasts, so the above limitation might not apply to you. In no event shall the manufacturer be liable for any indirect, special, incidental, consequential, or similar damages (including, but not limited to lost profits or revenue, inability to use the PRODUCT or other associated equipment, the cost of substitute equipment, and claims by third parties) resulting from the use of this PRODUCT. Some states/provinces do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion might not apply to you.

Please retain your original sales receipt as proof of purchase.

Appendix

Technical specifications

RF frequency band	1921.536MHz — 1928.448MHz
Channels	5
Operating temperature	32°F — 122°F 0°C — 50°C
Telephone base voltage (AC voltage, 60Hz)	96 — 129 Vrms
Telephone base voltage (AC adapter output)	6VDC @600mA
Handset battery	2.4 VDC, AAA x 2, Ni-MH
Charger voltage (AC adapter output)	6VAC @300mA
Operating times*	Talk time (handset): up to 7 hours Talk time (speakerphone): up to 5 hours Standby: up to 7 days

* Operating times vary depending on your actual use and the age of the battery.

DECT 6.0 digital technology

The AT&T DECT 6.0 products offer unsurpassed range performance and sound clarity. This is achieved through a unique antenna design and advances in noise-filtering technology. An independent laboratory has confirmed that AT&T DECT 6.0 products perform up to 45% better in range competitions. Now calls can be taken in the basement, backyard and garage with exceptional sound quality.

Telephone operating range

This cordless telephone operates within the maximum power allowed by the Federal Communications Commission (FCC). Even so, this handset and telephone base can communicate over only a certain distance — which can vary with the locations of the telephone base and handset, the weather, and the construction of your home or office.

Redefining long range coverage and clarity

This telephone base comes with an antenna which gives much better clarity and covers a longer range than before.

HD audio

HD audio improves sound quality by expanding and rebuilding frequencies that are lost with traditional phone calls. There is no additional telephone service requirement to use HD audio. It is designed to work with standard telephone service. Your system will automatically enhance all received sound with HD audio.

Simulated full duplex handset speakerphone

The simulated full duplex speakerphone on your handset allows both ends of a call to speak and be heard at the same time. Optimal performance is subject to external factors and individual usage.

www.telephones.att.com

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Printed in China. Issue 1 AT&T 03/13.